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 MAGNETIC POWDER AND ISOTROPIC BONDED MAGNET
 Attorney Docket No. 9319A-000182

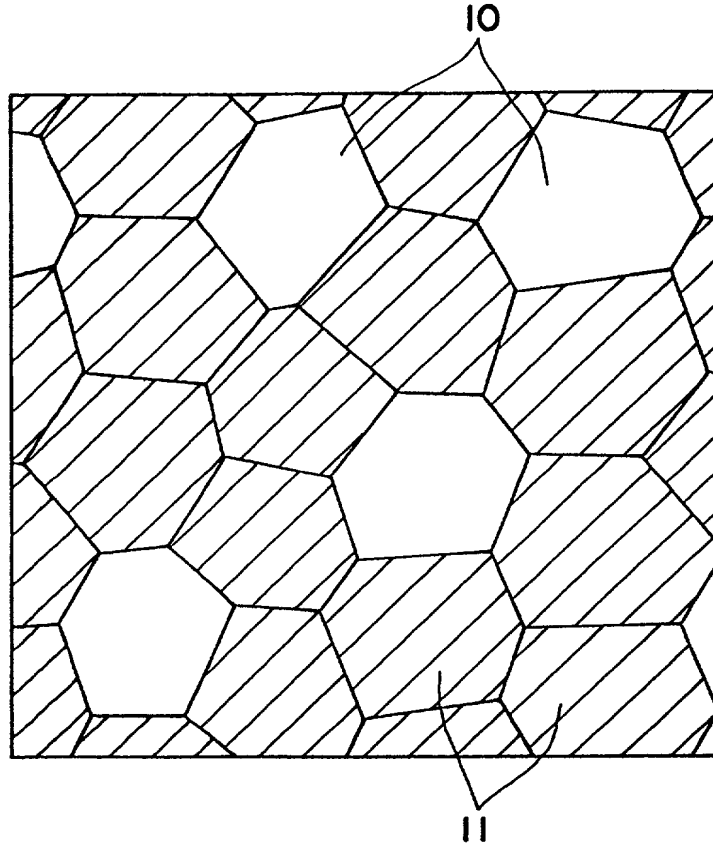
TABLE1

Sample No.	W	ρ (Mg/m ³)	Br (T)	H _{ci} (kA/m)	(BH) _{max} (kJ/m ³)	(BH) _{max} / ρ^2 ($\times 10^{-9}$ J·m ³ /g ²)	Br/ ρ ($\times 10^{-6}$ T·m ³ /g)	Irreversible Flux Loss (%)
1 (Comp.Ex.)	0.1	6.27	0.83	345	75.6	1.92	0.132	-6.5
2 (This Invention)	0.2	6.26	0.87	415	104.8	2.67	0.139	-4.7
3 (This Invention)	0.5	6.32	0.90	478	113.2	2.83	0.142	-4.0
4 (This Invention)	1.2	6.29	0.92	496	115.9	2.93	0.146	-3.6
5 (This Invention)	2.5	6.30	0.90	530	112.0	2.82	0.143	-3.2
6 (This Invention)	3.3	6.33	0.81	561	102.7	2.56	0.128	-2.7
7 (Comp.Ex.)	3.6	6.31	0.76	553	79.1	1.99	0.120	-3.5

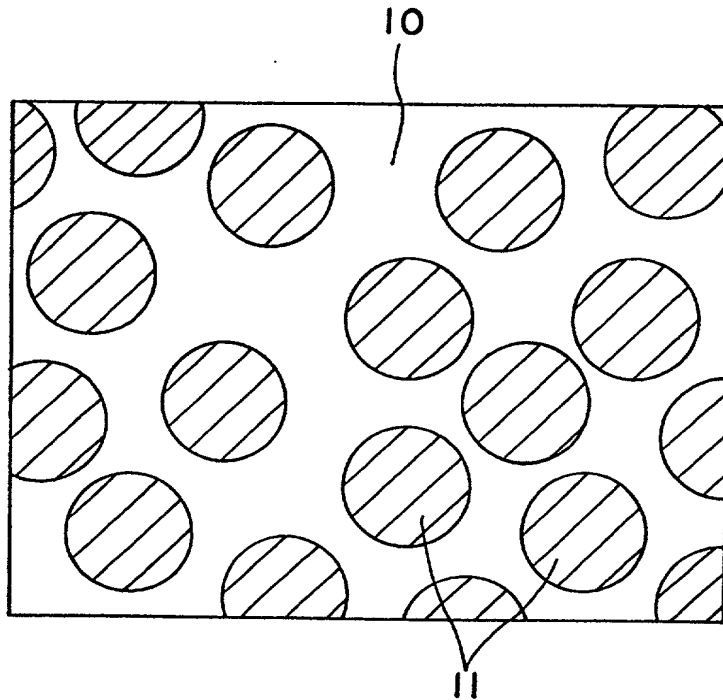
TABLE2

Sample No.	Kneading Temp. (°C)	Molding Method	Molding Temp. (°C)	ρ (Mg/m ³)	Br (T)	H _{cJ} (kA/m)	(BH) _{max} (kJ/m ³)	(BH) _{max} / ρ^2 ($\times 10^{-9}$ J·m ³ /g ²)	Br/ ρ ($\times 10^{-6}$ T·m ³ /g)	Irreversible Flux Loss (%)
8 (This Invention)	220	Injection Molding	230	5.30	0.78	563	83.4	2.97	0.147	-2.2
9 (This Invention)	203	Injection Molding	245	5.50	0.80	551	88.3	2.92	0.146	-2.5
10 (This Invention)	211	Injection Molding	260	5.67	0.82	542	92.6	2.88	0.145	-2.9
11 (This Invention)	216	Injection Molding	275	5.80	0.84	535	97.0	2.83	0.144	-3.1
12 (This Invention)	220	Compaction Molding	210	5.95	0.85	531	100.5	2.84	0.143	-3.4
13 (This Invention)	224	Compaction Molding	215	6.21	0.88	517	108.8	2.82	0.142	-3.7
14 (This Invention)	230	Compaction Molding	220	6.48	0.92	510	118.4	2.82	0.142	-4.2

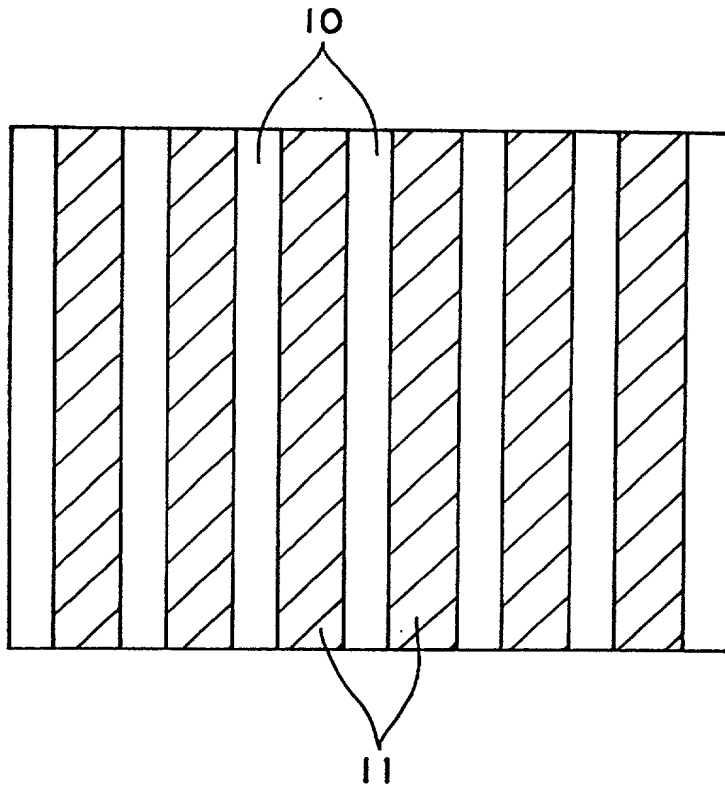
Fig. 1



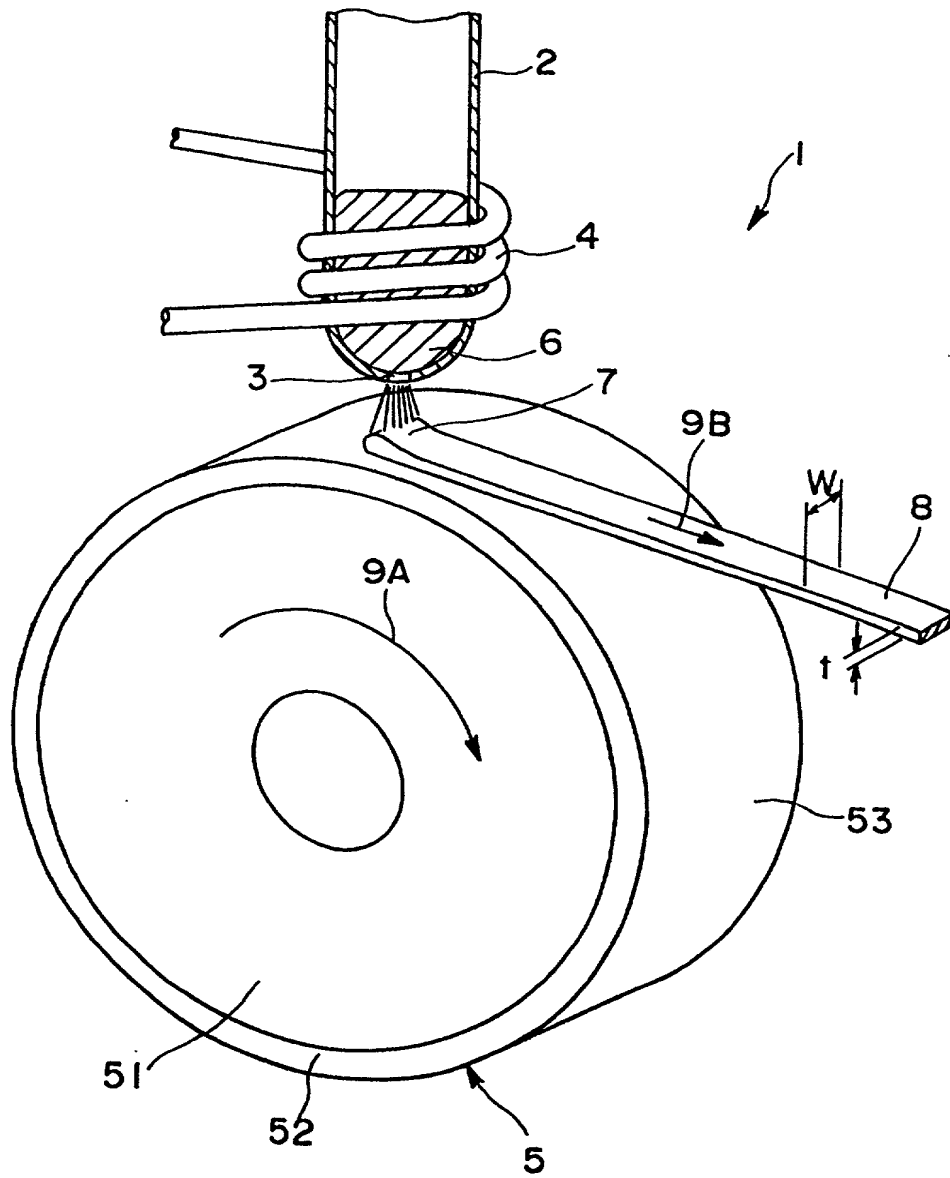
F i g . 2



F i g . 3



F i g . 4



F i g . 5

